



ISPH-0593

#9/K.T.
4/23
Revoc.
w/P.O.A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of) Group Art Unit: 1635
Crooke and Graham) Examiner: S. McGarry
Appln No. 09/919,197)
Filed: July 31, 2001)
For: ANTISENSE MODULATION OF)
SHORT HETERODIMER)
PARTNER-1 EXPRESSION)

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APR 16 2003

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Commissioner for Patents
Washington, D. C. 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST AND
REVOCATION OF PRIOR POWERS AND STATEMENT UNDER
37 CFR §3.73(b)

Sir:

As assignee of record of the entire interest of the
above-identified application, ISIS PHARMACEUTICALS, INC.
hereby revokes all powers of attorney previously given.

ISIS PHARMACEUTICALS, INC. hereby appoints the
following attorney(s) and/or agent(s) to prosecute and
transact all business in the United States Patent and
Trademark Office connected with the above-identified
application: Stanley B. Kita, Registration No. 24,561;
George A. Smith, Jr., Registration No. 24,442; Mary E.

Certificate of Mailing under 37 CFR Section 1.8

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Commissioner for Patents, Washington, DC 20231 on April 9, 2003.

Diana M. Waligun
Signature

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Typed or Printed Name of Person Signing Certificate

Bak, Registration No. 31,215; Cathy A. Kodroff, Registration No. 33,980; William Bak, Registration No. 37,277; Tracy U. Palovich, Registration No. 47,840; all of the firm of HOWSON AND HOWSON, of Spring House, Pennsylvania; and

Herb Boswell, Registration No. 27311; Laurel S. Bernstein, Registration No. 37,280; Neil S. Bartfield, Registration No. 39,901; Matthew Grumbling, Registration No. 44,427; Donna T. Ward, Registration No. 48,271, all of ISIS PHARMACEUTICALS, INC., of Carlsbad, California.

Address all telephone calls to Mary E. Bak at telephone No. (215) 540-9206. Address all correspondence to HOWSON AND HOWSON, Spring House Corporate Center, Box 457, Spring House, Pennsylvania 19477.

ISIS PHARMACEUTICALS, INC. certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors.

The evidentiary documents relating to the ownership of the above-identified application and the invention claimed therein have been reviewed, and consist of an assignment of the above-identified United States Patent Application No. 09/919,197 from the inventors to ISIS PHARMACEUTICALS, INC. The assignment was recorded at Reel 012467, Frame 0630 on January 10, 2001 at the United States Patent and Trademark Office.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above, and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this certificate on behalf of the assignee. To the best of the undersigned's knowledge and belief, title is solely in the assignee ISIS PHARMACEUTICALS, INC.

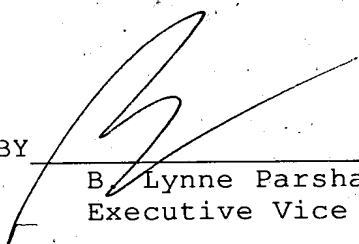
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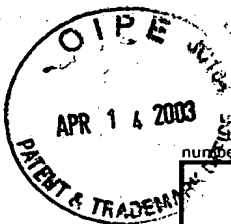
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DATE

4/4/03

BY


B. Lynne Parshall
Executive Vice President



1635

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	09/919,197
		Filing Date	July 31, 2001
		First Named Inventor	Crooke and Graham
		Group Art Unit	1635
		Examiner Name	S. McGarry
Total Number of Pages in this Submission	4	Attorney Docket Number	ISPH-0593

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	HOWSON AND HOWSON Mary E. Bak, Esquire		
Signature	<i>Mary E. Bak</i>		
Date	4/09/03		

CERTIFICATE OF TRANSMISSION/MAILING

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Typed or printed name	Diana M. Waligun		
Signature	<i>Diana M. Waligun</i>	Date	4/09/03

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